



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
		<b>Application Number</b>	10/509998		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Filing Date</b>	June 14, 2002		
		<b>First Named Inventor</b>	Kia Silverbrook		
		<b>Art Unit</b>			
		<b>Examiner Name</b>			
<b>Sheet</b>	1	<b>of</b>	8	<b>Attorney Docket Number</b>	YU183US NP

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4423401 A*	Dec 27 1983	Mueller	
		US-4553393 A*	Nov 19 1985	Ruoff	
		US-4672398 A*	Jun 9 1987	Kuwabara et al	
		US-4737802 A*	Apr 12 1988	Mielke	
		us-4864824 A*	Sep 12 1989	Gabriel et al	
		us-5029805 A*	Jul 9 1991	Albarda et al	
		us-5258774 A*	Nov 2 1993	Rogers, Robert L	
		us-5666141 A*	Sep 9 1997	Matoba et al	
		us-5719604 A*	Feb 17 1998	Inui et al	
		us-2002/024569 A1*	Feb 28 2002	Silverbrook, Kia	
		us-5742305 A*	Apr 22 1998	Hackleman, David E	
		us-6334664 B1*	Jan 1 2002	Silverbrook, Kia	
		us-04001051 A*	Jan 6 1992	Komai	
		us-5675719*	Oct 7 1997	Matias et al	
		us-6130967*	Oct 2000	Lee et al	
		us-6229622 B1*	May 2001	Takeda	
		US-			
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		JP 01-105746 A*	Apr 24 1989	Ricoh Co Ltd		
		JP 01-115639 A*	May 8 1989	Ricoh Co Ltd		
		JP 01-128839 A*	May 22 1989	Ricoh Co Ltd		
		JP 01-257058 A*	Oct 13 1989	Seiko Epson Corp		
		JP 01-306254 A*	Dec 11 1989	Seiko Epson Corp		
		JP 02-050841 A*	Feb 20 1990	Seiko Epson Corp		
		JP 02-158348 A*	Jun 18 1990	Minolta Co Ltd		
		JP 02-162049 A*	Jun 21 1990	Seiko Epson Corp		
		JP 03-065348 A*	Mar 20 1991	Matsushita Elec Ind Co		
		JP 03-112662 A*	May 14 1991	Seiko Epson Corp		

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		JP 03-180350 A*	Aug 6 1991	Seiko Epson Corp		
		JP 04-118241 A*	Apr 20 1992	Seiko Epson Corp		
		JP 04-126255 A*	Apr 27 1992	Seiko Epson Corp		
		JP 04-141429 A*	May 14 1992	Seiko Epson Corp		
		JP 04-368851 A*	Dec 21 1992	Seiko Epson Corp		
		JP 05-284765 A*	Oct 29 1993	Canon Inc		
		JP 05-318724 A*	Dec 3 1993	Seikosha Co Ltd		
		JP 07-314665 A*	Dec 5 1995	Canon Inc		
		JP 58-112747 A*	Jul 5 1983	Fujitsu KK		
		JP 58-116165 A*	Jul 11 1983	Canon Inc		

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		JP 61-025849 A*	Feb 4 1986	Canon Inc		
		JP 61-268453 A*	Nov 27 1986	Olympus Optical Co Ltd		
		JP 02-092643 A*	Apr 3 1990	Seiko Epson Corp		
		JP 02-108544 A*	Apr 20 1990	Seiko Epson Corp		
		JP 02-265752 A*	Oct 30 1990	Matsushita Elec Ind Co		
		JP 04-353458 A*	Dec 8 1992	Brother Ind Ltd		
		JP 06-091865 A*	Apr 5 1994	Seikosha Co Ltd		
		JP 06-091866 A*	Apr 5 1994	Seikosha Co Ltd		
		JP 09-314915 A*	Dec 9 1997	Canon Inc		
		JP 2000-293335 A*	Oct 20 2000	Seiko Epson Corp		

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		Country Code 3 - Number 4 - Kind Code 5 (if known)				
		GB 1428239 A*	Mar 17 1976	Cibie Projecteurs		
		GB 2262152 A*	Jun 9 1993	Willett Int Ltd		
		GB 792145 A*	Mar 19 1958	Technograph Printed Circuits	42 L	
		FR 2231076 A*	Dec 20 1974	Electricite De France		
		EP 0092229 A*	Oct 26 1983	Siemens AG		
		EP 0398031 A*	Nov 22 1990	Seiko Epson Corp		
		EP 0427291 A*	May 15 1991	Seiko Epson Corp		
		EP 0431338 A*	Jun 12 1991	Matsushita Elec Ind Co Ltd		
		EP 0478956 A*	Apr 8 1992	Kernforschungsz Karlsruhe		
		EP 0506232 A*	Sep 30 1992	Videojet Systems Int Inc		

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		EP 0510648 A*	Oct 28 1992	Ivri Yehuda		
		EP 0627314 A*	Dec 7 1994	Olivetti Canon Ind SPA		
		EP 0634273 A2*	Jan 18 1995	Sharp KK		
		EP 0737580 A*	Oct 16 1996	Canon KK		
		EP 0750993 A*	Jan 2 1997	Canon KK		
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		EP 1157844 A1*	Nov 28 2001	Sony Corp		
		EP 0540338 B*	Jan 28 1998	Canon KK		
		EP 0899684 A*	Mar 3 1999	Seiko Epson Corp		

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		EP 0940975 A*	Sept 8 1999	Seiko Epson Corp		
		DE 1648322 A*	Mar 25 1971	VDO Tachometer Werke		
		DE 19517969 A*	Nov 30 1995	Sharp KK		
		DE 19532913 A*	Mar 28 1996	Sharp KK		
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		DE 3245283 A*	Jun 7 1984	Siemens AG		
		DE 3430155 A*	Feb 27 1986	Siemens AG		
		DE 3716996 A*	Dec 8 1988	VDO Schindling		
		DE 3934280 A*	Apr 26 1990	Cae di Cipelletti Alberto		

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		DE 4328433 A *	Mar 2 1995	Heidleberger Druckm		
		DE 19516997 A*	Nov 16 1995	Sharp KK		
		DE 19623620 A1*	Dec 19 1996	Sharp KK		
		WO 01/63551 A2*	Aug 30 2001	Winslow Inc		
		WO 94/18010 A*	Aug 18 1994	Domino Printing		
		WO 97/12689 A*	Apr 10 1997	The Board Of Trustees of		
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		<b>Group Art Unit</b>	
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier Sequoia S.A., Lausanne, Vol 55, no. 1, 15 July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.*	
		ATAKA, MANABU et al, "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.*	
		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.*	

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